ISO 19918:2017-09 (E)

Protective clothing - Protection against chemicals - Measurement of cumulative permeation of chemicals with low vapour pressure throug h materials

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 3

5 Apparatus and supplies 3

6 Test parameters 4
6.1 Analytical method 4
6.2 Determination of extraction efficiency 5
6.3 Test specimens 5

7 Preparation of test chemical and test specimens 6

8 Procedure 6
8.1 Contamination 6
8.2 Extraction and analysis 7

9 Expression of results 7

10 Report 8

11 Precision and bias 9

Annex A (informative) Schematic diagram of the permeation cell 10

Annex B (normative) Drawing and measurements of the permeation cell, washer, and bolts 11

Annex C (informative) Sources of permeation test cells, and permeation cell parts 13

Annex D (informative) Selection of gasket and pressure 14

Annex E (informative) Interlaboratory test data 15

Bibliography 16